U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved OM8 No. 44-R1387

DPM 5/14

MATERIAL SAFETY DATA SHEET

USI Product Code

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I	
MANUFACTURER'S NAME U.S. Industrial Chemicals Co. Division of National Distillers and Chemical Corporati	on 800-424-9300
ADDRESS (Number, Street, City, State, and ZIP Code) 99 Park Avenue, N	ew York, New York 10016
	e 190° Ethy 1° Alcohol
Alcohol FORMULA C2H	₅ 0H (M.W. = 46.lg/g-mole)

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	*	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE		·	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		11.
OTHERS					ACGIH*
HAZARDOUS MIXTURE	S OF	OTHER LI	QUIDS, SOLIDS, OR GASES	*	TLV (Units)
			Ethyl Alcohol	92.	4 1000
			Water	7.	5 N.A.
* USDOL/OSHA Standa	rd i	s ident	ical		

SECTION III - PHYSICAL DATA				
BOILING POINT (°F.)		173	SPECIFIC GRAVITY (H20=1) @ 60°/60°F	0.8158
VAPOR PRESSURE (mm Hg.)	@ 20°C	44.62	PERCENT, VOLATILE BY VOLUME (%)	99.9+
VAPOR DENSITY (AIR=1)		1.59	evaporation rate (n-Butyl acetate = 1)	2.7
SOLUBILITY IN WATER		Complete		
APPEARANCE AND ODOR	Colorless 1	iquid, mild	alcoholic odor	,

ASTM D 56 Tag Closed Cup Approx. 6	50°F	 19%
xTINGUISHING MEDIA Water, alcohol foam, carbon dioxide		
PECIAL FIRE FIGHTING PROCEDURES Do not	t use ordinary foam	

SECTION V - HEALTH HAZARD DATA
THRESHOLD LIMIT VALUE See Section II
Eye and respiratory tract irritation and possible drowsiness above 1,000 ppm.
Prolonged high concentration exposures may result in headache, tremors, and fatigue.
Remove from exposure. In case of contact with
eyes, flush with plenty of water for at least 15 minutes. Call a physician.

									
STABILITY		UNSTABLE		Keep away from heat or ignition sources					
	STA	BLE	Χ						
Oxidizing m	ry <i>(Maie</i> ateria	nais to avoid)	s acet	yl chlori	de, nitric	acid and	hydrogen p	eroxide	
HAZARDOUS DE	COMPOS		TS .		•				
HAZARDOUS		MAY OCCUR			CONDITIONS	TO AVOID			
POLYMERIZATIO	 	WILL NOT OCCUR		l x					

SECTION VII - SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Keep heat or ignition sources away;
ventilate area; dilution with water will decrease the risk of a fire hazard.
Small amounts may be flushed away with water. Large amounts
may be contained and collected for incineration.

	SECTION VIII - SPECIAL P	ROTECTION IN	IFORMATION
RESPIRATORY PRO		ing respirato	r. See below *
VENTILATION	concentration below 1,000 pp	eep -	SPECIAL
	MECHANICAL (General)	-	OTHER
	if no skin contact	<u>quards or</u>	 Safety eyewear with splash eye shields
*If permissib	ole exposure level is exceeded	, use NIOSH a	pproved respirator.

PRECAUTIC	NS TO BE TAKEN	IN HANDLING AND STORING	Character Community in a complete land
	·		Store away from oxidizing agents; kee
away	from heat or	ignition sources; use a	adequate ventilation.
OTHER PRE	CAUTIONS	Keep container closed.	Ground containers when emptying.

PAGE (2) REF:

- 1) Dangerous Properties of Industrial Materials, Sax, N.I., 1979, Van Nostrand Reinhold Co., NY.
- 2) Physical and Thermodynamic Properties of Aliphatic Alcohols, Wilhot, R. C. and Zwolinski, B. J., 1973, American Chemical Society and American Institute of Physics